

Title (en)

IMAGING UNIT AND RADIATION IMAGE ACQUISITION SYSTEM

Title (de)

BILDGEBUNGSEINHEIT UND STRAHLUNGSBILDAUFNAHMESYSTEM

Title (fr)

UNITÉ D'IMAGERIE ET SYSTÈME D'ACQUISITION D'IMAGES DE RAYONNEMENT

Publication

**EP 3933447 A4 20221130 (EN)**

Application

**EP 19917470 A 20191223**

Priority

- JP 2019034828 A 20190227
- JP 2019050419 W 20191223

Abstract (en)

[origin: EP3933447A1] An imaging unit includes a housing having a wall portion in which a slit for passing radiation is formed, a scintillator having an input surface to which radiation passing through the slit is input, a first mirror that reflects scintillation light output from the input surface, and a line scan camera that detects scintillation light reflected by the first mirror. The scintillator is placed to make the input surface parallel to both the conveying direction and a line direction. The first mirror is positioned outside an irradiation region connecting the peripheral edge of the slit to the input surface of the scintillator.

IPC 8 full level

**G01T 1/20** (2006.01); **G01N 23/04** (2018.01); **G01N 23/18** (2018.01)

CPC (source: EP KR US)

**G01N 23/04** (2013.01 - EP KR); **G01N 23/18** (2013.01 - KR); **G01T 1/2002** (2013.01 - EP KR US); **G01T 1/2018** (2013.01 - US); **G01T 1/20188** (2020.05 - KR); **G01T 1/2964** (2013.01 - EP); **G01T 7/08** (2013.01 - KR); **H04N 5/32** (2013.01 - US); **H04N 23/30** (2023.01 - EP KR); **G01N 2223/3307** (2013.01 - KR)

Citation (search report)

- [Y] EP 0368369 A2 19900516 - LTV AEROSPACE & DEFENCE [US]
- [YD] WO 2017056680 A1 20170406 - HAMAMATSU PHOTONICS KK [JP]
- [Y] EP 1265065 B1 20141112 - ANRITSU IND SOLUTIONS CO LTD [JP]
- See also references of WO 2020174850A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 3933447 A1 20220105**; **EP 3933447 A4 20221130**; CN 113474681 A 20211001; CN 113474681 B 20240329; JP 2020139816 A 20200903; JP 6719004 B1 20200708; KR 20210127939 A 20211025; US 11729344 B2 20230815; US 12058472 B2 20240806; US 2022141397 A1 20220505; US 2023344958 A1 20231026; WO 2020174850 A1 20200903

DOCDB simple family (application)

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